INDEX.

Abrus precatorius, Seeds of, poisonous, 333
Adams, Dr A. L., on the Palæontology of Malta, 161
Address to Royal Society of Edinburgh, 71
Age of Man, 169
Anderson, Dr Thomas, on Cinchona Plant in India, 3 6
Archæopteryx lithographica, 161
Astacus marinus, Anatomy of, 17
Australian Plants, 214
Babington, Professor, on some British *Cyperaceæ*, 318
Balloon Ascents, 124, 130
Barometer in Determination of Heights, 127
Baxter, H. F., on Nerve Force, 235
Bigsby, Dr John J., on the Organic Contents of the Older Metamorphic Rocks, 171
Birdwood on Economic Products of Bombay noticed, 123
Botanic Garden of Edinburgh, Flowering of Plants in, 324
Brain of Man and the Gorilla, 138
British Association Proceedings, 124
Burmese Animals, 162
Calabar Poison Bean, Physiological Action of, 324
Canadian Plants, 197
Church Buried in Sands of Gwithian, Cornwall, 14
Clouston, Dr T. S., on the Minute Anatomy and Physiology of the Nervous System in the Lobster, 17
Cobbold, Dr T. S., on Human Entozoa, 145
Comatula, Development of, 137
Cooling of the Soil during the Night, 63
Core, Thomas H., on the Barometric Depression and Accompanying Storm of 19th October 1862, 263
Corymorpha natans, Notice by Professor Allman, 140
Cotton and Tea in India, 315
——— Plant of Peru, 321
Crania of Europe Compared, 168
Crocodiles of India and Africa, 144
Cyperaceæ, British, 318

Dana on Man's Position in the System of Mammals, 327
Daubeny, Professor, on Selection by Roots, 51
——— on the Eruption of Vesuvius in December 1861, 1
De Candolle, Alphonse, on a New Character observed in the Fruit of the Oaks, 54
Dickson, Dr A., on the Embryogeny of *Tropæolum majus*, 251
Drosera and *Dionæa*, Irritability of, 317
Edmonds, R., on the Buried Church in the Sands of Gwithian in Cornwall, 14
Entozoa in Man, 145
Fellowships in Oxford and Cambridge, 151
Fibres in Australia fitted for Manufactures, 156
Forbes, Principal, Life of Necker, 294
——— Opening Address to the Royal Society of Edinburgh, 71
Fraser, Dr T. R., on the Physiological Action of the Calabar Bean, 324
Geological Intelligence, 326
Glaciers in Turkistan, 157
Glaisher on Balloon Ascents, 130
Guano Islands of the Pacific Ocean, 164
Gumpach on the True Figure of the Earth noticed, 105
Harran in Padan-Aram, Journey to, by Dr C. T. Beke, 148
Horse, Fore Foot of, with Two Toes, 279
Hyæna Den at Wokey Hole, 136
Inundation of the Nile, Cause of, 330
Jameson, Dr, on the Cultivation of Cotton and Tea in India, 315
Lancashire, Pauperism and Mortality of, 150
Lawson, Dr G., on Plants of Leeds and Grenville, in Upper Canada, 197
Lindsay, Dr W. Lauder, on the Place and Power of Natural History in Colonisation, 280
Lobster, Anatomy and Physiology of the Nervous System of, 17
Luminosity of Phosphorus, 133
Lüneberg, Geology of, 305
Macdonald, J. Denis, on the Representative Relationships of the Fixed and Free Tunicata, 293
Man and Monkeys, 156
Man's Position in the System of Mammals, 327
Markham, C. R., on the Peruvian Cotton Plant, 321
Martins, Charles, on the Nocturnal Cooling of the Soil, 63
Metamorphic Rocks, Organic Contents of, 171
Meteoric Iron, 67
Meteorite, Analysis of, 69
Meteorological Society's Report as to the Climate of Scotland noticed, 109
Milk, Poisoning by, 332
Mueller, Dr F., on Plants Collected in North-West Australia, 214
Natural History, its Place and Power in Colonisation, 280
Necker, Professor Louis Albert, Biography of, 294
Nerve Force, 235
Oaks, Character observed in the Fruit of, 54
Ornithological Notes by Dr J. A. Smith, 313

XUM

Otago, Geology of, 282
——— Gold Fields, 286
Ozone Exhaled by Plants, 155
Palæontology of Malta, 161
Photometer, New Forms of, 208
Pig, Solid-hoofed, Notice of, 273
Poisoning, Secret, by Professor Harley, 146
Pratt on Eccentric and Centric Force, noticed, 107
Projectiles, Mechanical Properties of, 153
Races of Man, Colour as a Test of, 147
Ranunculus, hybrid, 155
Reddie on the Mechanism of the Heavens, noticed, 122
Reviews, 104
Roots, Power of Selection in, 51
Royal Physical Society, Proceedings of, 312
——— Society of Edinburgh, Prizes, 331
——— Society of Edinburgh, Proceedings of, 292
Saltness of the Ocean, 169
Scientific Intelligence, 155
Scott, John, on *Drosera* and *Dionæa*, 317
Sir John Hill, Letter to Dr John Hope, 325
Smith, Dr John Alexander, on a Mass of Meteoric Iron, 67
Societies, Proceedings of, 124, 292
Stevenson, Thomas, on some New Forms of Photometer, 208
Stones, Artificial, 152
Storm of 19th October 1862, 263
Struthers, Dr John, on the Fore Foot of a Horse with Two Toes,
——— on the Solid-hoofed Pig, 273
Sun's Surface, Structure of, 124
Taylor, Andrew, on Bituminous Shales, 312
Thomson, Dr Murray, Analysis of Meteorite, 69
Tropæolum majus, Embryogeny of, 251
Tubularidæ, New Species of, by Professor Allman, 142
Vertebrated Animals with Feathers, in a Deposit of the Jurassic Age, 32
Vesuvius, Eruption of, in 1861, 1
Watson, Rev. R. Boog, on the Geology of Lüneberg, 305
Worms on the Rotation of the Earth, noticed, 104
Zoological Intelligence, 327

END OF VOLUME XVII—NEW SERIES.

PRINTED BY NEILL AND COMPANY, EDINBURGH.